

NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES



APPLICATION FOR THE CONSTRUCTION OF NEW AND SUBSTANTIALLY
MODIFIED UNDERGROUND STORAGE FACILITIES (Env-Wm 1401)

PLAN REVIEW AND INSPECTION FEE \$100.00
MAKE CHECK PAYABLE TO: N.H. STATE TREASURER

STATE USE ONLY

DATE REC'D: _____

DATE ISSUED: _____

PERMIT NO: _____

REVIEW: _____

CHECK NO: _____

MUN. NOTIF: _____

RIVERS NOTIF: _____

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CERTIFICATION OF MUNICIPAL NOTIFICATION

To meet the requirements of RSA 541-A:22, the undersigned certifies that on _____, 19_____,
a copy of this completed application was mailed to the Town/City Clerk of _____
(the town in which the facility requesting a permit is located).

Date: _____ Signed: _____
(Applicant)

Name and distance to nearest surface water: _____

1. Per RSA 146-C:7,I., no construction or installation shall commence without prior approval of plans and specifications by the New Hampshire Division (Division) of Waste Management for new or substantially modified existing facilities.
2. Per Env-Wm 1401.28(q), Prior to inspection by the Division, the owner shall submit a letter prepared by the Designer that the construction was performed in accordance with Division approved plans.
3. Per Env-Wm 1401.28(p), the Division shall be notified of the completion of the installation at least five days prior to final backfilling to arrange for an inspection.
4. Per Env-Wm 1401.04(d), a new or amended registration form shall be filed with the Division at the time of final inspection of the new or substantially modified system.
5. Per Env-Wm 1401.04(e), no person shall operate an underground storage facility which is not registered with the Division.
6. Per Env-Wm 1401.07(a), no person shall operate an underground storage facility without a permit issued by the Division.

TANK INFORMATION

OWNER NAME _____

CONTACT PERSON _____

OWNER ADDRESS _____

CITY or TOWN _____

ZIP CODE _____

TAX MAP # _____ LOT NO. _____

FACILITY INFORMATION

LOCATION NAME _____

CONTACT PERSON _____

LOCATION ADDRESS _____

CITY or TOWN _____

ZIP CODE _____

PHONE NUMBER _____

DOES THIS FACILITY HAVE EXISTING TANKS? _____ (YES / NO)

EXISTING FACILITY I.D. NUMBER _____

RETURN COMPLETED APPLICATION TO:

N.H. DEPARTMENT OF ENVIRONMENTAL SERVICES
OIL REMEDIATION AND COMPLIANCE BUREAU
P.O. BOX 95
6 HAZEN DRIVE
CONCORD, NEW HAMPSHIRE, 03301-0095
(603) 271-3644

To facilitate the review process and reduce review time, please provide as much of the following information as necessary. Incomplete or missing information may cause delays in review time.

NOTE: Any page may be copied and submitted as additional information.

I. FACILITY PLAN

THE FACILITY PLAN SHALL COMPLY WITH Env-Wm 1401.20, "REQUIREMENTS FOR APPROVAL OF UNDERGROUND STORAGE SYSTEMS."

Facility plan shall include:

- (a) An accurate diagram (22" x 34") showing tank(s) location, all piping, pump islands, structures, appurtenances, north arrow, 100 year flood plain information, the seasonal high water table, and spot elevations (dispenser / tank).
- (b) A detailed tank diagram (22"x 34") showing spill containment, leak detection, product pipe (indicate slope), piping termination details, flex connectors, pipe cover depth (inches) and material(s) specifications, vent(s), overfill protection, check valve(s), tank cover depth (inches) and material(s) specifications, complete engineering designs and documentation for tank ballasting, and appurtenances.
- (c) Other supporting documentation on equipment and materials as necessary to describe the facility.
- (d) Dated and signed New Hampshire professional engineer stamp.
- (e) Site location (locus) map or USGS 7.5 minute series.

II. TANK INFORMATION

ALL TANKS SHALL COMPLY WITH Env-Wm 1401.21, "TANK STANDARDS FOR NEW UNDERGROUND STORAGE SYSTEMS."

A. CHECK HERE IF PROPOSED UPGRADE IS FOR PIPING.

☐

B. NUMBER OF EXISTING TANKS TO BE CLOSED.

C. TANK

	Tank:	Tank:	Tank:	Tank:	Tank:
(a) Volume (Nominal/Actual).....					
(b) Tank Diameter and Length.....					
(c) Product to be Stored.....					
(d) Manufacturer and Construction.....					
(e) Degree of Wrap (double walled).....					
(f) Outer Wall Gauge (steel only).....					
(g) Vault-----Provide material specifications, construction, and installation details.					
(h) Is dewatering required?	NO	<input type="checkbox"/>	YES	<input type="checkbox"/>	

III. LEAK MONITORING SYSTEM

LEAK MONITORING SHALL BE INSTALLED IN ACCORDANCE WITH Env-Wm 1401.26.

A. CONSOLE

	MANUFACTURER	MODEL NUMBER
Tank Monitor.....		
Sump Monitor		

B. SENSOR - TANK

	MANUFACTURER	MODEL NUMBER
Hydrostatic		
Wet Annular.....		
Liquid		
Dry Annular.....		
Vapor		
Dry Annular.....		
Tank Gauging.....		
Other.....		

IV. SPILL CONTAINMENT

NEW TANKS SHALL BE EQUIPPED WITH SPILL CONTAINMENT IN ACCORDANCE WITH Env-Wm 1401.25.

A. EQUIPMENT

	MANUFACTURER	MODEL NUMBER	CAPACITY
Spill Container.....			
Submerged Fill Drop Tube.....			
Other.....			

V. OVERFILL PROTECTION

NEW TANKS SHALL BE EQUIPPED WITH OVERFILL PROTECTION IN ACCORDANCE WITH Env-Wm 1401.25.

A. EQUIPMENT

	Manufacturer	Model Number	Volume Stopped/ Restricted (gal.)
Ball Float.....			
Float Vent Valve Extractor.....			
Audible Alarm Level Sensor.....			
Overfill Flow Shut-Off Valve.....			
Other.....			

(If overfill flow shut-off valve is used, attach completed manufacturer's instructions for determining the proper length of the tube and indicate the proper valve dimension setting on plan).

VI. PIPING

NEW PIPING SHALL COMPLY WITH Env-Wm 1401.22 "PIPING STANDARDS FOR NEW UNDERGROUND STORAGE SYSTEMS." NEW PIPING SYSTEMS OPERATING UNDER PRESSURE SHALL BE EQUIPPED WITH LEAK MONITORING IN ACCORDANCE WITH Env-Wm 1401.27.

A. PIPING

	PRIMARY	SECONDARY
Indicate Pressure or Suction or Both.....		
Manufacturer Name.....		
Manufacturer Model Number.....		
Material of Construction.....		
Pipe Size.....		
Pipe Schedule.....		
Other (Use space below)		

B. LOCATION OF CHECK VALVE(S).**C. COMPONENTS WHICH PROVIDE FOR INDEPENDENT PRESSURE TESTING OF THE TANK AND PIPING.**

MANUFACTURER	MODEL NUMBER

D. RETURN LINES

	PRIMARY	SECONDARY
Manufacturer Name.....		
Manufacturer Model Number		
Material.....		
Pipe Size.....		

E. CONTAINMENT SUMP

	TANK	DISPENSER
Manufacturer Name.....		
Manufacturer Model Number.....		
Material.....		

F. SUMP SENSORS

	TANK	DISPENSER
Number of Sensors.....		
Manufacturer Name.....		
Model Number.....		

G. LEAK MONITORING

	MANUFACTURER	MODEL NUMBER
Line Leak Detector.....		

VII. SIPHON PIPING

A. Are any tanks siphoned? ☐ If no, go to Section VIII.

☐ If yes, complete Section

B. Piping

Manufacturer Name.....

Manufacturer Model Number.....

Material of Construction.....

Pipe Size.....

Pipe Schedule.....

PRIMARY**SECONDARY**

MANUFACTURER**MODEL NUMBER**

Flex Connectors.....

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Are flex connectors cathodically protected?

NO

☐

YES

☐

Are flex connectors totally isolated from the soil or backfill material?

NO

☐

YES

☐
VIII. SETBACK DISTANCES FROM WATER SUPPLY WELLS AND SURFACE WATER.

ALL NEW SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH Env-Wm 1401.28(t);(u)

Distance from large community or non-transient,
non-community water supply system well.....

Distance from small community or non-transient,
non-community water supply system well.....

Distance from a private water supply system

IX. ENGINEER OF RECORD AND CONTRACTOR / INSTALLER INFORMATION.**ENGINEER OF RECORD****CONTRACTOR / INSTALLER**

Name

Name

Company

Company

Phone Number

IFCI Certification Number

N.H. P.E. Number

Address

City / Town

Zip Code

PHONE NUMBER